ACC NRI AR6033849 SOURCE CODE: UR/0044/66/000/007/B096/B096

AUTHOR: Shil'krut, D. I.

TITLE: A new algorithm for the approximate solution of a partial differential

equation

SOURCE: Ref. zh. Matematika, Abs. 7B520

REF SOURCE: Sb. Vopr. teorii upravl. sistem. Kishinev, 1965, 30-37

TOPIC TAGS: partial differential equation, boundary value problem, linear

equation, nonlinear equation

ABSTRACT: The method of the approximate solution of ordinary differential equations, presented by the author in earlier articles, is generalized for the case of partial differential equations for a domain of argument variations in the form of a semi-infinite rectangle. The unknown solution y(x,t) depends on two arguments, one or which varies within the closed interval  $(0 < x < 1)^n$ , while the other varies in the semi-infinite interval  $(0 < t < \infty)$ . At the same time, the boundary conditions lead to a boundary-value problem with respect to argument x and to the Cauchy problem with respect to t. The algorithm for a linera equation

Card 1/2

UDC: 518:5[7.944/.947

# ACC NR: AR6033849

is described by an equation for transverse vibrations of a tube with a liquid flowing through it at a constant flow rate. The solution is constructed using time steps t. In each step of t, this solution is represented as a terminated Taylor series in t with the addition of the correction function a; (x) which takes into account the part of the remainder of the series. With an increase in the number of terms the accumulated error decreases considerably as the number of steps increases. This insures the given accuracy of calculation at large t values when steady-state conditions have been attained. The case of nonlinear equations is investigated. There, for each step of t, the boundary-value problem is solved for an ordinary nonlinear differential equation for the corresponding a (x). All the equations for a (x) are of the same type which results in a cyclic calculation process. An example for the solution of the problem of longitudinal-transverse vibration of a flexible rod serves to demonstrate that the algorithm described can be simplified by reducing the solution of a nonlinear equation to the solution of a series of linear partial differential equations provided this is combined with the method of successive approximations. The calculation using the new algorithm is of a cyclic nature which makes it possible to program only one step. [DW]

SUB CODE: 12/

Card 2/2

ACC NR. AR6020785

SOURCE CODE: UR/0044/66/000/002/B155/B155

AUTHOR: Shil'krut, D. I.; Barladyanu, Yu. A.; Gerlaku, I. D.; Florya, S. A.

TITLE: Recurrent relationships for the approximate solution of the boundary problem of the system of two second order ordinary differential equations

SOURCE: Ref zh. Matem. Abs. 2B623

REF SOURCE: Sb. Materialy dokl. 1-y Nauchno-tekhn. konferentsii Kishinevsk. politekhn. in-ta. Kishinev, 1965, 97-98

TOPIC TAGS: boundary value problem, second order differential equation, ordinary differential equation

ABSTRACT: The two-point boundary problem is investigated for a system of two linear second order ordinary differential equations with variable coefficients. By marking out along the segment (0, 1) lattice points with a step h = 1/S, and representing the desired functions in the form of a Taylor expansion, the authors establish formulas which by means of the equations of the system and the boundary condition at the point x = 0 can consecutively determine the values of the desired functions and of their derivatives up to the fourth order inclusively at points x = ih (i = 1, 2, ..., S). Here the values of U'(0) and V'(0) of the first derivatives of the

Card 1/2

UDC: 518:517.91/.94

# desired functions U(x) and V(x) at the point x = 0 remain unknown during each step of the process of calculation. After carrying out all the S steps along the segment (0, 1) and taking into account the boundary conditions at the point x = 1, the authors establish a system of two equations from which they find the values of the unknowns U'(0) and V'(0). Subsequently, using these values, they determine the values of the sought functions and the derivatives up to the fourth order inclusive at all lattice points of the segment (0, 1). [ Translation of abstract ] Bibliography of 2 titles. P. Bondarenko SUB CODE: 12

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001549420015-0"

Card

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

Single Chemistry

Paths of lablic nitrogen compounds in plants during without ering. 8. D. L'vov and G. D. Shilled Abst.
Laningrad. Objectation of the Data. 114-31(1940)—The N and H<sub>2</sub>O contents of 2 concess of both the leaves and the stages of withering. The results are interpreted as incompatible with Mincris Ideas (Sufference in the Plants of the Transport of org. substances in living plants.

J. P. Daneley

SHILLEGODSKIY, A. K. (Deceased)

USSR/Chemistry- Malonic Acid, Dialdehyde Chemistry- Condensation Feb 1948

"Vinylogs of the Dialdehyde of Malonic Acid," I. L. Knunyants, A. K. Shillegodskiy (Deceased),  $5\frac{1}{2}$  pp

"Zhur Obshch Khim" Vol XVIII ( LXXX) , No 2

New method for obtaining vinyl homologs by cindensing dealdehydes by means of acetic aldehydes, shows that during condensation of beta-tetrahydroquinolacryl by malonic acid in solution with an acetic anhydride, there was formed bis-tetrahydroquinoline produced delta-3,5-heptadime-1,7. Submitted 13 Aug 1946.

PA 68T46

24741

s/131/61/000/007/003/003

B105/B206

21.2100

Samsonov, G.V., Yasinskaya, G.A. and Shiller, E.A.

AUTHORS:

Interaction of some oxides and carbides with difficultly

fusible metals at high temperatures TITLES

Ogneupory, no. 7, 1961, 335-338

TEXT: This article gives the investigation results of the contact inter-PERIODICAL:

action of BeO, MgO, ZrO<sub>2</sub> and the carbides MeC (Me = zirconium, hafnium, niobium or tantalum) with niobium, molybdenum and tungsten at temperatures of up to 2100°C. Chemically pure beryllium- and magnesium oxide, zirconium dioxide, stabilized by means of calcium oxide, zirconium-, hafnium-, niobium- and tantalum carbides of stoichiometric composition, as well as difficultly fusible industrial metals were used. To investigate the contact interaction, an oxide and carbide ring respectively was pressed on a sample from difficultly fusible metal and the heated in a vacuum furnace to 1000 - 1600 - 2100°C for 0.5 to 5 hr. The fronts were then ground, polished and submitted to a metallographic investigation of the ground section obtained, the results of which are mentioned in Table 1. Card 1/4

24741

S/131/61/000/007/003/003 B105/B206

Interaction of some ...

The interaction of zirconium-, hafnium-, niobium- and tantalum carbide with molybdenum at temperatures from 1000-2100°C and a heating time of 0.5, 1.0, 2.0, and 5.0 hr is investigated in a similar way. It is finally stated that tungsten shows the highest stability in contact with BeO, molybdenum and tungsten in contact with MgO, and molybdenum in contact with the stabilized zirconium dioxide. Tantalum carbide shows the highest stability in contact with molybdenum up to 2100°C. The interaction of molybdenum with zirconium-, hafnium-, and niobium carbides begins at 1800-2000°C. There are 1 figure, 2 tables, and 7 references: 3 Sovietbloc and 4 non-Soviet-bloc. The three references to English-language publications read as follows: G. Economos, W. Kingery, Journ. Amer. Cer. Soc., 1953, No. 12, v. 36; W. Lidman, H. Hamijan, Journ. Amer. Cer. Soc., 1952, v. 35; P. Johnson, Journ. Amer. Cer. Soc., 1950, v. 33, No. 5.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

Card 2/4

SAMSONOV, G.V. (Kiyev); STRASHINSKAYA, L.V. (Kiyev); SHILLER, E.A. (Kiyev).

Contact interaction of metal-like carbides, nitrides, and borides with high-melting metals at high temperatures. Izv. AN SSSR Other tekh.nauk. Met. i topl. no.5:167-180 S-0 '62. (MTRA 15:10) (Ceramic metals) (Metals at high temperature)

xCG-NR: AT0023936 SOURCE CODE: UR/3220/66/000/001/0134/0145		kpe
AVTHOR: Shiller, F. F.		
RE: none		
Print: An algorithmic language for describing economicomathematical problems (ALGEM)		
OURCE: Tsifrovaya vychislitel naya tekhnika i programmirovaniye, no. 1, Moscow, 1966	۵	
OFIC TAGS: computer language, algorithmic language, mathematics, economics		
STRACT: The language ALGEM is designed to describe economicomathematical problems,	75	
foodies of information. The main core of ALGEM is a slight abbreviation of ALGOL-60. In particular only simple substantive expressions are permitted; only identifiers may be used as tags; the switching list contains only tags; a simple variable may be the		
cycle parameter; if the type of arithmetic expression is determined only dynamically,		
vitted. This basic core is supplemented by some elements of COROL (the compound value of the correction array). In addition the lower-case variable is added to the		
three others in ALGOL (i.e., logic, integral, and real variables). The block structure of the program and the principle of localizing variables in the block are kept as in	-	
Cord: 1/2 - WDC: 681.142.1.01		
CO76 1/2 0001 0011111201		
		Sea.

- 1. BAYS R. M., KAKASH, Ya., BRAKHACHEK, F., RUSIMOV, A., SHILLIR, G.
- 2. USSR (600)
- 4. Coal Mines and Mining
- 7. What we have learned from Soviet miners. Mast. ugl. 1, no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

-SHILER I. 9. Active antagonism (between micro-organisms) Problems of Tuberculosis, Moscow 1949. 3 (12-18)

A review of the new form of antagonism described by the author years ago, its practical applications and further development. When two microbes (bacteria, yeasts, fungi) are cultivated in a defcient medium lacking either a source of C or N, one of the two microbes produces lysins which enable it to use the other as a source of nutrition. For example: a yeast cultivated in distilled water with sugar together with some bacteria including M. tuberculosis produces lysins against them; in a similar way an acidophile bacterium cultivated from intestinal flora produces bactericidal substances against streptococci when cultivated with it in broth containing sugar. It is necessary to know the conditions for the production of such antagonistic products. The author uses this antagonism for the cultivation of M. tuberculosis from blood with very good results: Venous blood prepared with an acid is inoculated in distilled water with the addition of 1-2 loops of beer-yeast. This form of antagonism has been studied even in vivo. By feeding white rats with lactose or dextrin added to normal diet the author succeeded in changing intestinal flora in pure B. bifidus culture. This change was caused by lytic action of B. bifidus. This forced antagonism was also success fully used therapeutically in straphylococcal infections (using the lytic action of bacilli or yeast) or in stonatology. In the same way agents against heart muscle can be produced by bacilli when cultivated together in a deficient medium. The author explains this antagonism as a sort of immunological action in lower organisms and compares the lytic agents with antibodies of higher organisms.

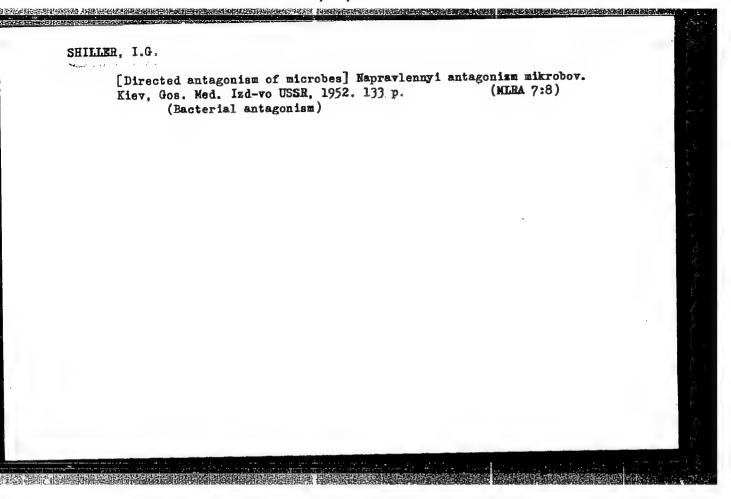
Malek - Hradec Kralove

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No. 1-6

Inst. of Stone atology, Oherse TB Inst.

- 1. SHILLER, I. G.
- 2. USSR (600)
- 7. "In Mechnikov's Laboratory. (Recollections. With Editor's Preface)", Znaniye--Sila, No. 4, 1951, pp 9-11.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132, Unclassified



SHILLER, I. G.

USSR/Medicine - Antibiotics

Jan/Feb 52

"Enforced Antagonism of Bacteria," N. S. Yegorov, Moscow State U imeni M. V. Lomonosov

"Mikrobiologiya" Vol XXI, No 1, pp 116-120

Reviews work on the enforced antagonism between microorganisms achieved by cultivating them together. This work was done by I. G. Shiller, who was active in I. I. Mechnikov's laboratory Paris? in 1914. According to the bibliography, Shiller published in German and USSR periodicals during 1923-1934, and apparently worked in Odessa, USSR, during 1940-1947.

223T37

### SHILLER, I.G.

Control of the property of the state of the

Treatment of experimental tuberculosis with lysins obtained from bacteria under conditions of increased antagonism [with summary in French]. Probl. tub. 34 no.6:56-61 N-D '56. (MLRA 10:2)

1. Iz mikrobiologicheskoy laboratorii Odesskogo nauchno-issledova-tel\*skogo instituta tuberkuleza (dir. - kandidat meditsinskikh nauk M.A.Brusnikin)

(MYCOBACTERIUM TUBERCULOSIS.

lysins from strains exposed to antag. factors, eff. on exper. tuberc. (Rus))

(TUBERCULOSIS, experimental,

eff. of lysins of M. tuberc. exposed to antag. factors (Rus))

USSR/Microbiology - General Microbiology.

F-1

Abs Jour : Ref

: Ref Zhur - Biol., No 12, 1958, 52720

Author

: Shiller, I.G.

Inst

: Ukrainian Institute of Stomatology.

Orig Pub

: Inheritance of Acquired Antagonistic Properties by Micro-

organisms.

Orig Pub

: Tr. Ukr. In-ta stomatol., 1957, No 2, 32-39.

Abstract

: No abstract.

Card 1/1

- 8 -

SHILLER, I.G.

Application of the principle of forced antagonism in the production of antibiotics. Antibiotiki 2 no.5:28-31 S-0 '57. (MIRA 10:12)

1. Odesskiy nauchno-issledovatel'skiy institut tuberkuleza.

(ANTIBIOTICS, preparation of,
principle of forced antig. in (Rus))

SHILLER, Ignativ Goratsiyevich; STAROSTERKOVA, M.M., red.; BERLOV, A.P., tokhn.red.

[Induced antogonism of microbes] Nasil'stvennyi antagonizm mikrobov.

Moskva, Izd-vo "Znanie," 1958. 29 p. (Vsesoiuznoe obshchestvo po
rasprostraneniiu politicheskikh i nauchnykh znanii.. Ser. 8, no.19,
vyp. 1)

(MIRA 12:2)

SHISHINA, Yu. [Shyshyna, IU.]; SHILLER, N.

Ampullae of life. Nauka i zhyttia 12 no.10:12-13 0 '62.

(BLOOD—TRANSFUSION)

SAZONOVA, V.A.; GERASIMENKO, A.V.; SHILLER, N.A.

Phenylation of α,β -unsaturated oxo compounds with triphenylboron and phenylboronic acid. Zhur.ob.khim. 33 no.6:2042-2045 Je '63.

(MIRA 16:7)

(Carbonyl compounds) (Phenylation) (Boron organic compounds)

SHILLER, N.; SHISHINA, Yu.

Immunity in reverse. Znan.-sila 37 no.7:31-33 Jl '62.
(MIRA 15:9)
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

L 19493-65 EPF(c)/EPR/EWP(j)/EWT(m) Pc-4/Pr-4/Ps-4 RPL RM/WW

ACCESSION NR: AP5002075 S/0079/63/033/006/2042/2045 / /

AUTHOR: Sazonova, V. A.; Gerasimenko, A. V.; Shiller, N. A.

TITLE: Phenylation of alpha, beta-unsaturated ketones with triphenylboron and phenylboric acid

SOURCE: Zhurnal obshchey khimii, v. 33, no. 6, 1963, 2042-2045

TOPIC TAGS: triphenylboron, phenylboric acid, phenylation, unsaturated ketone, copper acetoacetate, arylation

ABSTRACT: The authors phenylated &-benzalacetoacetate, benzalbenzoylacetate and benzalbenzoylacetone by boiling them with triphenylboron or phenylboric acid in the presence of copper acetoacetate, diluting with water, and then extracting the saturated products &-benzhydrylacetoacetate, benzhydrylbenzoylacetate and &-benzhydryl-&-acetylacetone) with ether. In the case of triphenylboron, the yields were over 100%, indicating that more than one phenyl group from triphenylboron takes part in the reaction. Phenylation of these &, f-unsaturated ketones was in the 4-position, indicating a radical mechanism. In the case of m-nitrophenylboric acid, only m, m'-dinitrodiphenyl was obtained under these conditions. When benzalacetophenone and dibenzalacetone were used as starting compounds, it was difficult to isolate any products due to condensation reactions between the ketones

L 19493-65

ACCESSION NR: AP5002075

and copper acetoacetate. "The phenylation of benzalacetoacetate was carried out together with V. G. Shubin, a student." Orig. art. has: 2 chemical formulas.

ASSOCIATION: none

SUBMITTED: 09May62

ENCL: 00

SUB CODE: OC

NO REF SOV: 001

OTHER: 006

**Card** 2/2

SHILLER, Natan Yefimovich; SHISHINA, Yuliya Grigor'yevna; PETROV, R.V., doktor biol. nauk, red.; SOROKO, Ya.I., red.; RAKITIN, I.T., tekhn. red.

[Barrier of incompatibility]Bar'er nesovmestimosti. Pod nauchn. red. R.V.Petrova. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.4)

(MIRA 16:2)

(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

ARDENNE, M. fon; SHILLER, S.

Development of electron beam melting techniques. Flektrotekhnika 36 no.8:61-63 Ag '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut Manfreda fon Ardenne, Dresden-Vaysser Khirsh.

SERDOBOVA, L.I.; LIZUNOV, N.V., otv. red.; SHILLER, V.A., otv. za vypusk

[Spectrum determination of thallium and germanium in sulfide minerals] Spektrograficheskoe opredelenie talliia i germaniia v sul'fidnykh mineralakh. Moskva, 1960. 18 p. (Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Metodicheskie materialy, no.4) (MIRA 15:6) (Thallium—Spectrum) (Germanium—Spectrum) (Sulfides)

D'YACHKOVA, I.B.; SINDEYEVA, N.D., otv. red.; SHILLER, V.A., otv. za vypusk.

[Isomorphism of minerals in the system Bi<sub>2</sub>S<sub>3</sub>- Bi<sub>2</sub>Se<sub>3</sub>] Ob izomorfizme mineralov v sisteme Bi<sub>2</sub>S<sub>3</sub> - Bi<sub>2</sub>Se<sub>3</sub>. Moskva, 1960. 10 p. (Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Mineralogiia, no.5) (MIRA 15:6) (Isomorphism)

ROZBIANSKAYA, A.A.; SALTYKOVA, V.S., otv. red.; SHILLER, V.A., otv. za vyp.

[Determination of indium in cassiterite] Opredelenie irdiia v kassiterite. Moskva, 1960. 8 p. (Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov.

Metodicheskie materialy, no.2) (MIRA 15:6)

(Indium) (Cassiterite)

SEVEROV, E.A.; VLASOV, K.A., otv. red.; SHILLER, V.A., otv. za vypusk

[Niobium-containing granites of the complex of recent intrusions in Northern Nigeria] Niobiisoderzhashchie granity kompleksa molodykh intruzii Severnoi Nigerii. Moskva, 1960. 67 p. (Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Materialy po geologii mestorozhdenii redkikh elementov v zarubezhnykh stranakh, no.6) (MIRA 15:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Vlasov). (Nigeria, Northern-Niobium)

ROZBIANSKAYA, A.A.; SALTYKOVA, V.S., otv.red.; SHILLER, V.A., otv.za vypusk

[Determination of indium in cassiterite] Opredelenie indiia v kassiterite. Mcskva, 1960. 8 p. (Akademlia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Metodicheskie materialy, no.2.). (MIRA 15:6) (Indium) (Cassiterite)

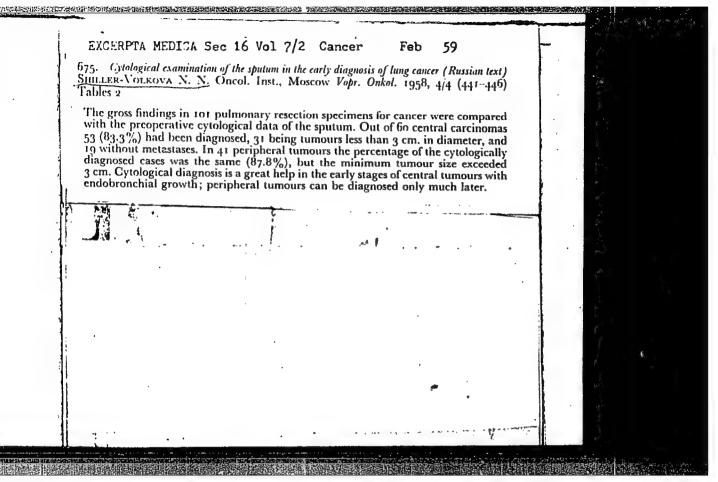
SHILLER-VOLKOVA, N.N., kandidat meditsinskikh nauk; HUDYAVSKIY, B.A.,

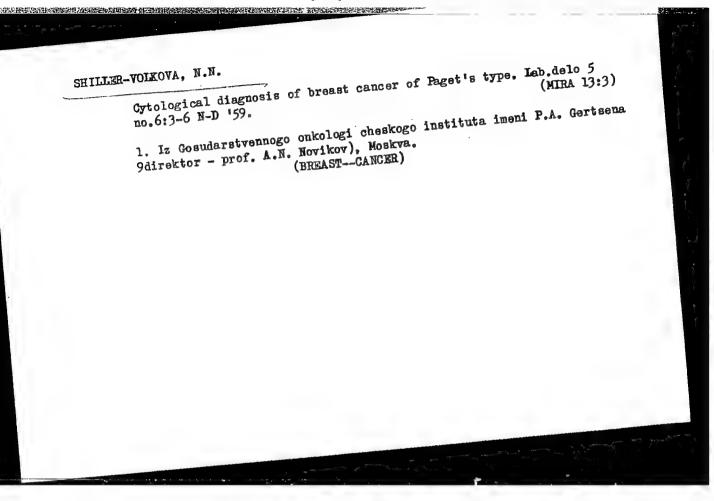
Gytological examination of the bronchial contents as a method for diagnosing bronchopulmonary cancer [with summary in English. p.152] Vest.khir. 77 no.12:43-49 D '56. (MLRA 10:2)

1. Iz Gosudarstvennogo onkologicheskogo instituta im. P.A.Gertsena (dir. - prof. A.N.Novikov, nauchnyy rukov. - prof. A.I.Savitskiy) Adres avtorov: Moskva, D.40, 2-cy Botkinskiy proyezd, d.3, Onkolog. inst. im. P.A.Gertsena.

(LUNG NEOPLASMS, diag. cytol.exam. of bronchial contents) (BRONCHI

mucus, intrabronchial collection for cytodiag. of lung cancer and bronchial)





SHILLER-VOLKOVA, N.N.; PALILETEVA, Ye.P.

Cytological examination as a diagnostic method in tumors of the maxilla. Vop.onk. 5 no.7:60-65 59. (MIRA 12:12)

1. Iz Gosudarstvennogo onkologicheskogo instituta im. P.A. Gertsena (dir. - prof. A.N. Novikov; nauchnyy rukovoditel - chlen-korrespondent AMN SSSR prof. A.I. Savitskiy).

(MAXILLA - neoplasms)

SHILLER-VOLKOVA, N.N.; AGAMOVA, K.A.

Cytological study of punctates as a method for the diagnosis of tumors of the breast. Vop.onk. 6 no.1:54-59 160.

(MIRA 13:10)

(BREAST-TUMORS)

SHILLER-VOLKOVA, N.N.; AGAMOVA, K.A.

Role of cytological examination in the diagnosis of breast cancer. Vop. onk. 8 no.12:41-46 '62. (MIRA 17:6)

1. Iz kliniko-diagnosticheskoy laboratorii (zav. - kand. med. nauk N.W. Shiller - Volkova) Gosudarstvennogo onkologicheskogo instituta Imeni P.A. Gertsena (dir. - prof. A.N. Novikov). Adres avtera: Moskva, D-284, 2-y Botkinskiy provezd, 3. Gosudarstvennom enkologicheskiy institut imeni P.A. Gertsena.

SHILLER-VOLKOVA, Nataliya Nikelayevna; NIKITINA, Nina Tranovna; AGAMOVA, Klara Aleksandrovna; ERIN, Margarit. L'vovna; SOLOV'YEVA, I.i., red.

[Cytologic diognosis of malignant neoplasms; an atlas] ISitologicheskaia diagnostika z'o'rachestvennykh novo-obrazovanii; atlas. Moskva, Meditsina, 1964. 263 p. (MIRA 17:7)

SHILLER-VOLKOVA, N.N.; NIKITINA, N.I.; AGAMOVA, K.A.

Morphological criteria in cytological diagnosis of vascular tumors. Vop. onk. 10 no.6:48-52 '64. (MIRA 18:3)

1. Iz kliniko-diagnosticheskoy laboratorii (zav. - kand.med.nauk N.N.Shiller-Volkova) Gosudarstvennogo onkologicheskogo instituta imeni Gertsena (dir. - prof. A.N.Novikov). Adres avtorov: Moskva, D-284, 2-y Botkinskiy prospekt, 3, Gosudarstvennyy onkologicheskiy institut imeni Gertsena.

SHITLER VOLKCYA, N.W.; POLITINA, T.P.; METSKAYA, Ye.A.; ORLOV, N.I.; TEGLISKAYA, I.P.; FEDUROVA, F.A.; MYASNIKOVA, O.F.

Emperience in one was of cytologic methods in preventive examinations of women. Amush. I glin. 40 no.4472-74 Junky 164.

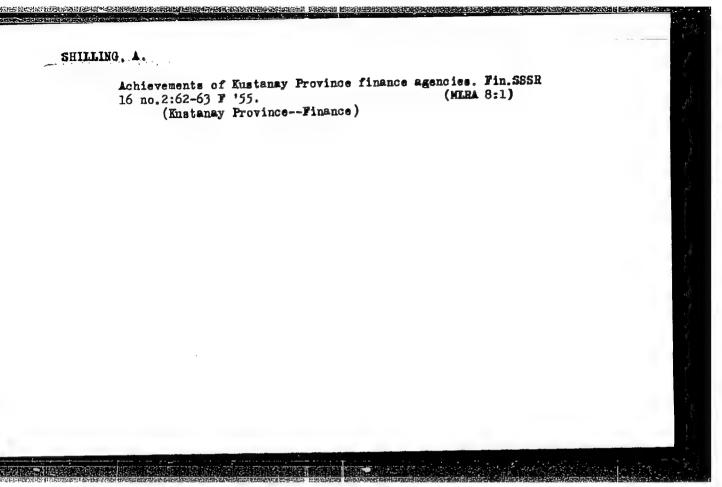
(MIRA 18:4)

L. Graciaratvannyy onkologishaskiy institut imeni Gertsena (dir. - prof. A.N.Novikov), Moskva i Rodil'nyy dom No.5 (glavnyy vrash I.V. Pavlova), Moskva.

SHILLEROV, B.A. [translator]; ALEKSANDROVA, A.A., redaktor; URAZOVA, A.N., tekhnicheskiy redaktor.

[Propagation of short radio waves] Rasprostranenie ul'trakorotkikh radiovoln. Perevod s angliiskogo pod red. B.A. Shillerova. Mcskva, Izd-vo "Sovetskoe radio," 1954. 709 p. [MIGROFILM] (MLRA 7:10)

1. Massachusetts Institute of Technology.
(Radio, Short wave)



SHILLING, A.A., elektromekhanik

Changes in the circuit of VS and VIS line testing stands. Avt., telem. i sviaz' 5 no.1:24 Ja '61. (MIRA 14:3)

1. Kushmurunskaya distantsiya signalizatsii i svyazi Kazakhoskoy dorogi.
(Railroads—Electric equipment)

SHILLING, M.L.

Spectral determination of tin in rocks. Ixv.AN SSSE.Ser.fiz.19
no.2:216 Mr-Ap '55.

(Tartu--Spectrum analysis--Congresses)

(Tartu--Spectrum analysis--Congresses)

USSR/Optics - Optical Methods of Analysis. Instruments, K-7

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35877

Shilling, M. L. Author:

Spectral Laboratory, Tadzhik Geological Administration, USSR Institution:

Spectral Analysis of Mercury in Mountain Rocks Title:

Original

Zavod. laboratoriya, 1956, 22, No 4, 447-450 Periodical:

The spectral method of analysis of a specimen from a channel of a carbon electrode is not sensitive enough and the results of the Abstract:

analysis depend strongly on the composition of the containing rock. It is proposed to distill the mercury vapors in the flame of an ac arc. The sample is placed in an iron dish, supported by a carbon cylinder and is covered with a carbon stopper with a hole. For uniform heating, 2 arcs are used simultaneously, one burning between the lower electrode and the carbon cylinder, on which the dish is supported, and the other between the upper electrode and the cover of the dish. Under these conditions, the results of the

Card 1/2

USSR/Optics - Optical Methods of Analysis. Instruments, K-7

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35877

Abstract: analysis turn out to be independent of the composition of the sample. The analysis is carried out according to the absolute intensity of the 2536.5 A mercury line. With a batch of 0.1 g, the sensitivity

obtained is 10-%. The squared error of the reproducibility of a single determination within the range of contents from 0.001 to 0.1% amounts to 17%, if the discharge conditions are controlled by visual observation of the width of the 2478.6 A carbon line. For 19 specimens, with a mercury content from 0.04 to 1.25%, the maximum discrepancy between the results of the spectral and chemical analysis was 33%.

Card 2/2

FORM, M. Zo.; KOLYLEV, B. A.; ghroking, N.R.

Solubility in the system NH, H.FO. - NH, NO; - For - H. Solur.

prikla khim. 37 no. 11:1342-4348 R Pair (Mira 18:1)

1. Femingradskiy tekhnologichaskiy institut ideni /ansovata.

POZIN, M.Ye.; KOPYLEV, B.A.; SHILLING, N.K.

Solubility in the system NH<sub>2</sub>H<sub>2</sub>FO<sub>4</sub> - NH<sub>2</sub>NO<sub>3</sub> - CO(NH<sub>2</sub>)<sub>2</sub> - H<sub>2</sub>O.

Zhur. prikl. khim. 38 no.1:22-28 Ja '65.

(MIRA 18:3)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

SHILLING, N.V.

Bioelectrical activity of various segments of the nervous system in the rabbit following stimulation of the visual analysor. Fiziol.zhur. 48 587-592 My '62. (MIRA 15:8)

1. From the Laboratory of Vegetative Nervous System development, I.M.Setchenov Institute of Evolutionary Physiology, Leningrad. (ELECTROPHYSIOLOGY) (VISION)

SHILLING, N.V.

Role of the optical analyzer in the formation of the function of the ganglia of the sympathetic nervous system in postnatal ontogeny. Dokl. AN SSSR 154 no.4:998-1000 F 164.

(MIRA 17:3)

1. Institut evolyutsionnoy fiziologii im. I.M. Sechenova AN SSSR. Predstavleno akademikom N.N. Anichkovym.

- 1. SHILLING, P.L.; YABOI, 3.S.
- 2. UUSR (60C/
- 4. Electric Insulators and Insulation
- 7. Electric insulation in P.L. Shilling's and B.S. Yaboi's writings, Docent V.A. Golubtsova, Elektrichestvo no. 4, 1953.

。 1. 1915年,

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl

FEDOROVA, Ye.N. (Leningrad); SHILLING, V.V. (Leningrad)

Causes of typical errors in chemistry made by secondary school students. Khim.v shkole 18 no.2:26-35 Mr-Ap '63. (MIRA 16:4)

(Chemistry-Study and teaching)

GONCHAROVA, A.B.; STEPANOVA, I.N.; SHILLING, V V.; SHALYUGINA, N.S.;
POZHKOVA, V.G., kand. biologicheskikh nauk, nauchnyy rukovoditel'
raboty

Growing cabb∈ge without transplanting. Uch. zap. Ped. inst. Gerts. 239:143-146 '64. (MIRA 18:3)

L 43207-65 EED(b)-3/ENG(v)/ENT(1)/T/ENA(d)/FSS-2 Pe-5/Pn-4/Pae-2/ IJP(c) GW
ACCESSION NR: AP5007646 S/0154/64/000/006/0123/0131 45
AUTHOR: Lozinskaya, A. M. (Candidate of technical sciences); Shillinger, V. I. B. (Docent); Zhidelev, I. I. (Senior engineer)
TITLE: Radio survey plotter for aerogeophysical strips
COUNCE: IVIZ. Geodeziya i aerofotos"yemka, no. 6, 1964, 123-131
TOPIC TAGS: aerial surveying, aerial photography, radio strip plotter, aerogeo-
ARSTRACT: The authors describe the design and operation of a radio survey plotter developed in 1963 at the Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii (Moscow Institute of Survey, Aerial Photography and Cartography Enkartografii (Moscow Institute of Survey photography along strictly parallel scraight gineers) to facilitate aerial survey photography along strictly parallel scraight strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather than with the usual ± 50 m errors of an aerial strips, with ± 10-15 m errors rather th
Card 1/3 2

L 43207-65 ACCESSION NR: AP50	07646			3	
the plotter make po The plotter has been	ssible operation n used successful by the Kazakhski	y geofizicheskiy	trest (Kazakii Go.		
ASSOCIATION: [Loz: (All-Union Scienti. Moskovskiy institustitute of Survey,	inskaya] Vsesoyuzn Lic Research Insti	tute of Geophysic	DURCE I POT CAP A A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				1 1 1 1	
SUBMITTED: 19Jul6	4				
		OTHER: 000			
SUBMITTED: 19Jul6					
SUBMITTED: 19Jul6					

SHILLINGER, & I

112-3-6411

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957,

Nr 3, p. 187 (USSR)

AUTHOR:

Malkin, L.A., Shillinger, V.I.

TITLE:

Automatic Elevation Instruments Installed in Automobiles (Avtomaticheskiye pribory dlya opredeleniya prevysheniy,

ustanavlivayemyye na avtomobilyakh)

PERIODICAL:

Tr. Mosk. in-ta inzh. geod., aerofotos"emki i kartogr.,

1956, Nr 23, pp. 63-91

ABSTRACT:

Bibliographic entry.

Card 1/1

SHILLINGER, V. I.

"The present state and the prospects in the development of devices for an automatic local leveling," Geodeziya i Kartografiya, 1957, Nr 12, pp. 69-70 (USSR).

report presented at the Sci. Tech. Conf. for Geodesy, Aerial Photography and Cartography, 24-28 Oct 57, in honor of 40th Anniv. October Revolution) Organized by Main Office for Geodesy and Cartography, Home Office USSR, the Military-Topographical Office and Inst. for Engineers of Geodesy, Air Survey and Cartography, Moscow.

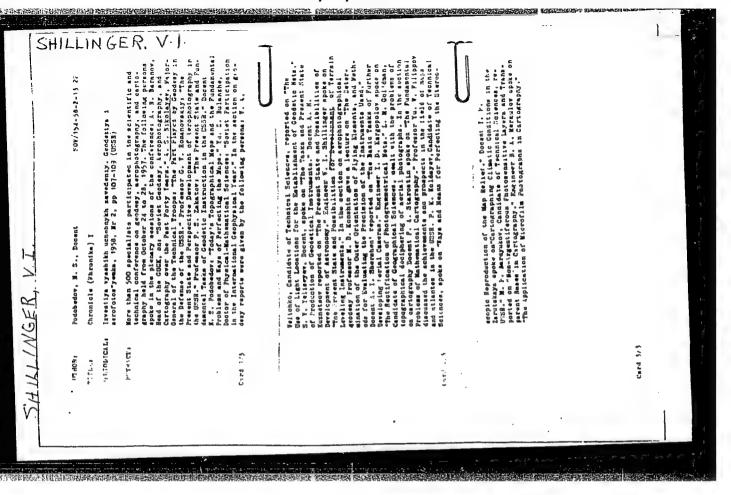
SHILLINGER, V.I., inzh.

Effect of the elastic elements of automobile suspensions on measurement results obtained by the automatic altimeter. Trudy MIIGAIK no.29:145-158 '57. (MIRA 11:5)

l.Kafedra priborostroyeniy a Moskovskogo instituta inzhenerov geodezii, aerofotos"yemki i kartografii. (Altimeter surveying--Instruments)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420015-0



 SHILLINGER, V.I., inzh.

Present state of and outlook for the development of instruments for automatic leveling of a terrain. Trudy MIIGAIK no.31:49-55 (MIRA 13:3)

(Altimeter)

SHILLINGER, Yu. I.

USSR/Medicine - Jaundice Medicine - Liver Jun 1947

"Acute Toxic Hepatitis with Ascites", A. I. Shtenberg, Yu. I. Shillinger, Section on Alimentary Hygiene of the Institute of Nutrition of the Academy of Medical Sciences of the USSR, 8 pp

"Gigiyena i Sanitariya" No 6

Historical discussion of the disease from its first occurrence in 1931 in Besh - aryk in the Tashkent area. Refers to work done by Burkser, Yakoblevoy, Tsener; and Men'shikov among others. In 1946 Yunusov and Sidyakin of the Institute of Chemistry, Academy of Science Uzbek SSR, determined that the

mixture Heliotropium lasiocarpum also contains the two alkaloids Heliotropin and Lasiocarpin.

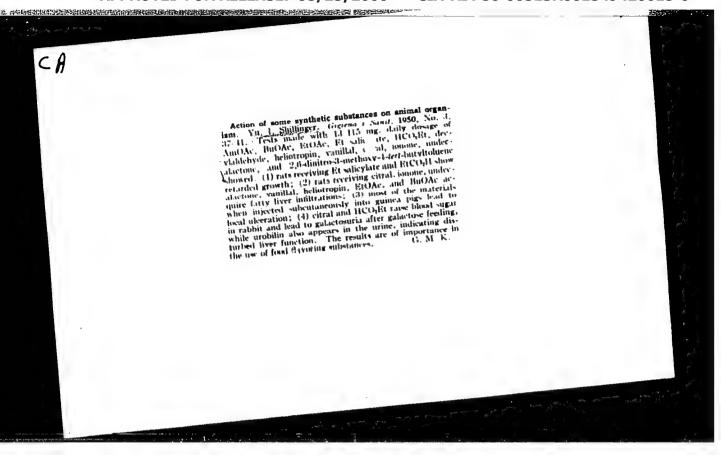
16/147

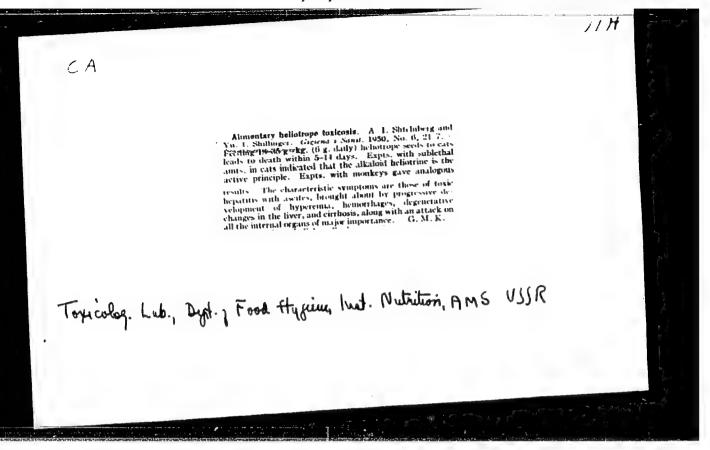
"Effect of Certain Synthetic Essential Oils on the Animal Organism." There for degree of Cand. Medical Sci. Sub 20 Apr h9, Central Inst. for the Advanced Training of Physicians.

Summary CC, 10 Dec 50, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1813. From Vechernyaya Moskva, Jan-Dec. 1813.

### "APPROVED FOR RELEASE: 08/25/2000

### CIA-RDP86-00513R001549420015-0



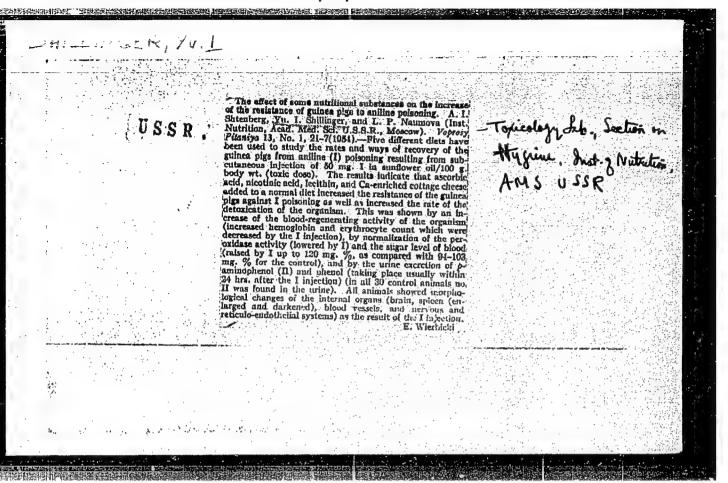


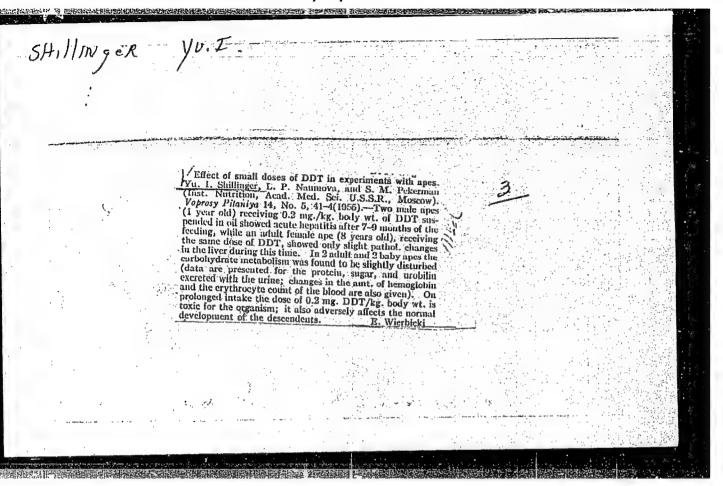
SHILINGEL, Yu. 1.	d H O.A	s lt	ង២០០៩២	=		-	A Pro-
811981	properties of dishes made of potatoes. Vitamin C content of treated potatoes decreases with length of storage, but is much higher than in untreated potatoes.	USSR/Chemistry - Plant Growth Stimulants May 51 (Contd.)	Examn showed this chem has no toxic properties when administered to animals for yr or longer in doses exceeding its residual quantity in potatoes after their treatment with the substance. It did not give rise to formation of neoplasm in cancerresistant mice. It does not affect organoleptic	"Gig i San" No 5, pp 31-37	Action of the Inhibitor of Potato-Sprouting Methyl Ester of o-Naphtyl Acetic Acid on the Living Organism," A. I. Shtenberg, Yu. I. Shillinger, Food Inst, Acad Med Sci USSR	USSR/Chemistry - Plant Growth Stimulants May 51	The second of th
anders secondary of the second se							

SHIILINGER, Yu.I.

Passage of DDT into the milk of cows treated with DDT to combat the gadfly. Voprosy Pitaniya 12, No.2, 68-73 '53. (MLRA 6:4) (Ca 47 no.17:8958 '53)

1. Inst. Vitamins. Moscow.





#### "APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420015-0

EXSERPTA MEDICA Sec. 17 Vol. 3/10 Public Fortch Oct. 57 3242. SHILLINGER Yu. 1. and ORLOVA N. V. Inst. of Nutrit. of Acad. of Med. Sci., Moscow. \*The use of milk of cows treated with DDT to combat skin disorders (Russian text) VOP.PITAN. 1956, 15/3 (30 - 33)There are contradictory reports in the literature on the problem of the toxicity of milk of cows treated with 4:4-dichlor-diphenyl-trichlorethane (DDT) for skin diseases. The toxicity of milk of 2 cows was studied; one of the cows was treated with DDT twice, the other 3 times. The excretion of DDT with the milk was irregular: most of it was excreted in the first 7 days after treatment. The concentrations in milk of DDT averaged 0.47 mg./l. in the 20 days after the first treatment, 0.62 mg./1. in the 20 days following the second treatment, and 0.68 mg./1. in the 14 days after the third treatment. Toxic properties of milk were studied on kittens. Three kittens from one litter, 11 days old, were fed with milk obtained from treated cows. In the experimental period, lasting for 65 days, the kittens received 2.5-2.8 l. of milk containing 1.7-1.9 mg. of DDT. General condition, behaviour, appetite, and weight curves of the experimental kittens did not differ from the same indicators in a control kitten. Feeding of milk, obtained from the same cows, to cockroaches also indicated the absence of toxicity. The results indicate that milk obtained from cows treated with DDT may be used as human food. Only during the first 7 days after treatment, when the excretion of DDT is at its maximum, is it advisable not to supply children's homes with such milk.

SHILLINGER, Yu.I.; ORLOVA, N.V.

是是他的一个人,然后们还是这种的一个人,我们们是是是一个人,他们就是我们的一个人,我们就是一个人,我们们就是这些人的,我们就是我们的一个人,我们就是我们的一个人

Permissibility of using milk from cows treated with DDT preparations for the purpose of controlling warble flies. Vest.khir. 77 no.ll: 30-33 N \*56. (MLRA 10:1)

cow's milk from cows treated with DDT for control of gadflies)
(DDT eff.
on milk from cows treated for control of godflies)

SHILLINGER, Yu.I., kand.med.nauk; NAUMCVA, L.P., starshiy laborant

Hygienic evaluation of cereals following treatment of crops with 2.4-D [with summary in English]. Gig. i san. 22 no.7:33-37 J1 '57.

1. Iz Instituta pitaniya AMN SSSR.

(HERBIGIDES, effects,
2.4-d on cereals, hyg. aspects (Rus))

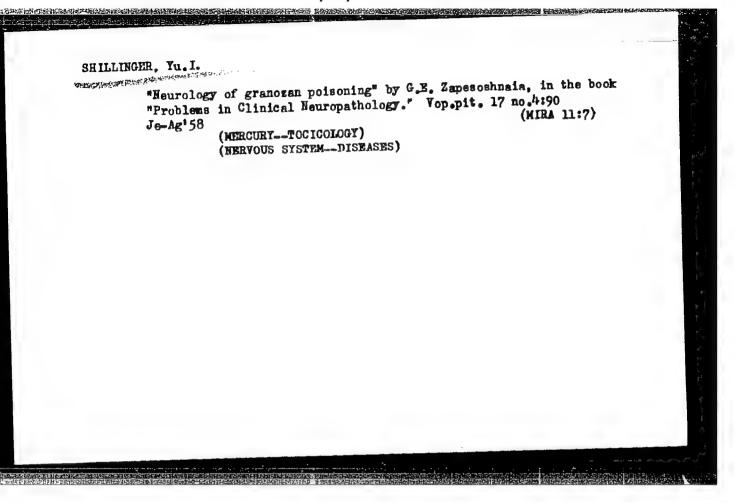
(CERRAIS,
eff. of 2.4-d, hyg. aspects (Rus))

SHILLIMER, Yu.I.; KALASHNIKOVA, V.P.

Effect of qualitatively different nutrition on the ascorbic acid content of ins rat organizm following the administration of aniline. Vopr.pit. 17 no.1:95-96 Ja-F '58. (MIRA 11:4)

1. Iz toksikologicheskoy laboratorii Instituta pitaniya AMN SSSR, Moskva.

(ANILINE—TOXICOLOGY) (ASCORBIC ACID)



SHILLINGER, Yu. I.; ORLOVA, N. V.

"Hygienic evaluation of certain physiologically active substances utilized in retarding potato sprouting."

report submitted at the 13th All-Union Congress of Hygienists, Epidemologists and Infectionists, 1959.

SHILLINGER, Yu. I.

Investigation of food admixtures and additives capable of carcinogenic activity. Vop.pit. 18 no.5:3-7 S-0 '59. (MIRA 13:1)

1. Iz otdela pishchevoy gigiyeny (zav. - dotsent B.D. Vladimirov)
Instituta pitaniya AMN SSSR, Moskva.

(CARCINOGENS, chem.)

(FOOD ADDITIVES)

SHILLINGER, Yu. I., kand. med. nauk; KUKEL', Yu. P., mladshiy nauchnyy sotrudnik

Hygienic evaluation of cereals and fields treated with 2,4-D butyl
ester. Gig. i san. 24 no.5:25-31 My '59. (MIRA 12:7)

1. Iz otdela pishchevoy gigiyeny Instituta pitaniya AMN SSS4.

(HERBICINES, effects,
2,4-D butyl ester, organic changes in animals fed treated
cereals (Rus))

(CERMAIS,
2,4-D butyl ester treated cereals, eff. on animal organs (Rus)

SHILLINGER, Yu.I., kand.meditsinskikh nauk

Conference on the theory and practice of food hygiene. Gig.i san. 25 no.8:108-110 Ag '60. (MIRL 13:11)

1. Iz Instituta pitaniya AMN SSSR. (NUTRITION)

CRIGOR YEVA, V.N.; SHEVCHENKO, M.G.; SHILLINGER, Yu.I., kand. med. nauk; ALEKSINA, L.I.; IEBEDEV, Yu.D., red.; SHTENBERG, A.I., prof.; BONDAREV, G.I., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Collection of directives on the control of chemical poisons used in agriculture] Sbornik ofitsial nykh materialov po kontroliu za iadokhimikatami, primeniaemymi v sel'skom khoziaistve. Moskva, Medgiz, 1961. 439 p. (MIRA 15:4)

l. Gosudarstvennaya sanitarnaya inspektsiya SSSR (for Grigor'yeva, Shevchenko). 2. Institut pitaniya Akademii meditsinskikh nauk SSSR (for Shillinger). 3. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny im. F.F.Erismana (for Aleksina).

(Agricultural chemicals)

SHITENBERG, A.I.; SHEVCHENKO, M.G.; SHILLINGER, Yu.I.

Current hygienic data on the use of poisonous chemicals for control of pents of food plants, weeds, and animal ectoparasites. Vop. pit. 20 no.4:3-8 Jl-Ag '61. (MIRA 14:7)

1. Iz komissii pitaniya Mezhduvedomstvennogo komiteta po izucheniyu i reglamentatsii yadokhimikatov pri Gosudarstvennoy sanitarnoy inspektsii SSSR, Moskva.

(PESTICIDES)

S/244/62/021/001/002/004 I016/I216

Author:

Shillinger, Yu. I.

Title:

FOODSTUFFS SUBJECTED TO IONIZING IRRADIATION FOR PURPOSES

OF PRESERVATION AND THEIR HYGIENIC EVALUATION

Periodical:

Voprosy pitaniya, v. 21, no. 1, 1962, 54-61

Text: A review of American, British and Soviet literature on the effect of radiations on the nutrient value and organoleptic properties of various foodstuffs and on the bacterial and other contamination of food products.

Association:

Otdel gigieny pitaniya Instituta pitaniya Ak. med. nauk SSSR., Moskva (Dept of Hygiene of

Nutrition, The Institute of Nutrition, Acad. Med. Sci. USSR, Moscow).

Submitted:

May 20, 1961

Card 1/1

SHILLINGER, Yu:I.

Food products subjected to ionizing radiation for their preservation and the problems of their hygienic value. Vop. pit. 21 no.1:54-61 Ja-F '62. (MIRA 15:2)

1. Iz otdela gigiyeny pitaniya (zav. - dotsent B.V.Vladimirov) Instituta pitaniya AMN SSSR, Moskva. (FOOD\_PRESERVATION) (RADIATION STERILIZATION)

VAVILINA, G.P.; SHILLINGER, Yu.I.; MIKHAL CHUK, B.V.

Method for determining "residual" amounts of simazine in corn seed. Vop.pit 21 no.4:60-63 Jl-Ag '62. (MIRA 15:12)

1. Iz otdela gigiyeny pitaniya (zav. B.D.Vladimirov) Instituta pitaniya AMN SSSR i analiticheskoy laboratorii (zav. B.V. Mikhal'chuk) Nauchno-issledovatel'skogo instituta udobreniy i insektofungitsidov, Moskva.

(TRIAZINE) (CORN (MAIZE))

SHEVCHENKO, M.G.; SHILLINGER, Y.I.

Principles of the norms for pesticide residues in fool products and the organization of their control in the U.S.S.R. J. hyg. epidem. (Praha) 9 no.1:1-7 165

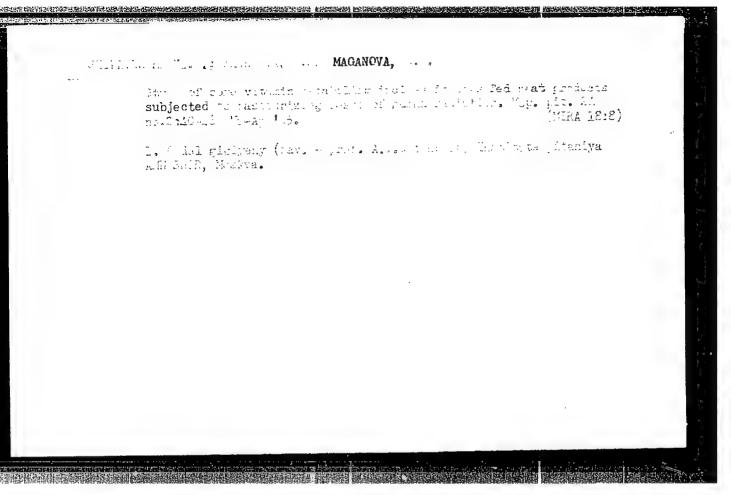
1. Ministry of Health of the U.S.S.R., Moscow.

SHILLIAMS TO THE PROJECT OF MADAMOVA, N.H. (Mankva)

Clinate of meat products arradiated by gamma rays in pasteurizing 1998 on the cumune organism. Vop. pit. 21 no.1:19.21 Je-F 165.

(MIRA 18:9)

1. Chief gigiyety (zav.= prof. A.I. Shienterg, Instituta pitaniya AMW SSSB, Moshwa.



对自己经验证据的表面证据证据的现象的证据的对于解释的证据的证明的证明证明

SOURCE CODE: UR/0244/66/025/003/0052/0058 L 04729-67 EWI(m) ACC NR: AP6027305 AUTHOR: Okuneva, L. A.; Shillinger, Yu. I.; Maganova, N. B. ORG: Hygiene Department /headed by Professor A. I. Shtenherg / of the Nutrition Institute AMN SSSR, Moscow (Otdel gigiyeny Instituta pitaniya ANN SSSR); Department of Nutrition Hygiene /headed by A. P. Shitskova / Moscow Scientific Research Institute of Hygiene im. F. F. Erismen (Otdel gigiyeny pitaniya Moskovskogo nauchno-issledovateliskogo instituta gigiyeny) TITLE: Effect of gamma irradiated plant food on monkeys SOURCE: Voprosy pitaniya, v. 25, no. 3, 1966, 52-58 TOPIC TAGS: monkey, gamma irradiation, food technology, physiologic pgrameter, blood, bialogic metabolism ABSTRACT: The present study was carried out in 1963-64 on rhesus monkeys to establish that gamma-irradiated plant food does not produce any toxic or adverse effects on the body. The experimental group of monkeys living in one cage consisted of 1 male, 4 females and a 4 mos baby; the control group living in another cage consisted of 1 male and 3 females. The diet of the experimental animals consisted of the UDC: 613.269:664.8.039.64:599.82-113.3 Card 1/2

ACCUPATION AND PROPERTY OF THE 2 (4729-67 ACC NR: AP6027305 following gamma-irradiated products: carrots and beets (20 krads), dried fruits (300 rads), apples (500 krads), buckwheat and pearl barley (100 krads), and bread made of irradiated wheat (100 krads). Control animals were fed the same diet of nonirradiated products. Indices included blood protein and lipid fraction analyses, cholesterol levels, body weight and blood tests. Experiments were conducted over an limenth period and indices were determined prior to experimentation, at the end of 5 mos and 11 mos. Findings show that experimental animals do not differ from control animals in weight, general condition, or development of offspring. Blood morphology indices for all animals were within the normal range. Protein and lipid metabolism, blood sugar and general clinical tests for the 11 month period indicate that gammairradiation of plant food does not produce any harmful effects. SUB CODE: 06/ SUBM DATE: 21Jun65/ ORIG REF: 008/ OTH REF: 003

USSR/Mines and Mining
Mineral Industries

"Mechanical Progress in the Krivoy Rog Basin,"
A. N. Shil'man, 4 pp

"Gornyy Zhurnal" No 8

Documentary article on progress of mechanization of iron ore mines in the Krivoy Rog region during 1947, in keeping with the new Stalin Five-Year Flan. Drills Type PA-16 and PA-25 are replacing Type PB and PM. Freight equipment Type PML-4 is being adopted.

SHILLWAP, A. E., FOLISHCHUK, A. D.

Iron Mines and Mining

New system of caving in blocks. Gor. zhur. no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

#### "APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420015-0

45866-66

ACC NR: AP6022407

(N)

SOURCE CODE: UR/0317/66/000/002/0050/0052

AUTHOR: Shil'man, B. (Engineer; Commander)

ORG: None

TITLE: No interruptions in navigation

SOURCE: Tekhnika i vooruzheniye, no. 2, 1966, 50-52

TOPIC TAGS: marine engineering, navel force organization, patrol ship ship building

ABSTRACT: The organization and execution of a post-navigation overhaul of ships in one of the naval formations is described. In this connection, the crew of a patrol ship under the command of Lieutenant Commander G. Sadovskiy is praised. The preliminary preparations were started in this formation at least one month in advance covering preparation of various official papers, repair lists, work schedules, etc. All malfunctions and defects discovered and registered during the navigation period were checked and discussed including the hull and machinery. Special lists, sketches, samples were prepared for repair work done in naval depots. Requests and demands for materials, tools and various supplies were also made ready. Special attention was given to avoid a simultaneous repair of emergency equipment. In general, the work schedule provides 25 hours per week for execution of repairs during the overhaul period. The repair deadlines can be advanced by applying the so-called aggregate method, that is, by exchanging entire malfunctioning machine units against the intact ones stored at naval repair depots. Restoring of boiler

Card 1/2

all control an repair depots supervision of specialists an	es, electric cable linervision of skilled spud measuring instrument Special teams are orgothe executive officer and training of the creation o	s are checker,	g repairs of the f	and alcidled	The second secon
Card 2/2	ULR		- California		

SHIL'MAN, B.G., inch.

Adjustment of automatic regulators of engine and boiler plants.
Sudostroenie 28 no.9:60-61 S '62. (MIRÀ 15:10)

(Marine engineering) (Automatic control)

SHIL'MAN, B.G., inzhener-kapitan 2-go ranga

Methods of training in solving problems of reserve buoyancy and redressing the damage done to a ship. Mor.sbor. 46 no.5: 47-54 My '63. (MIRA 16:4)

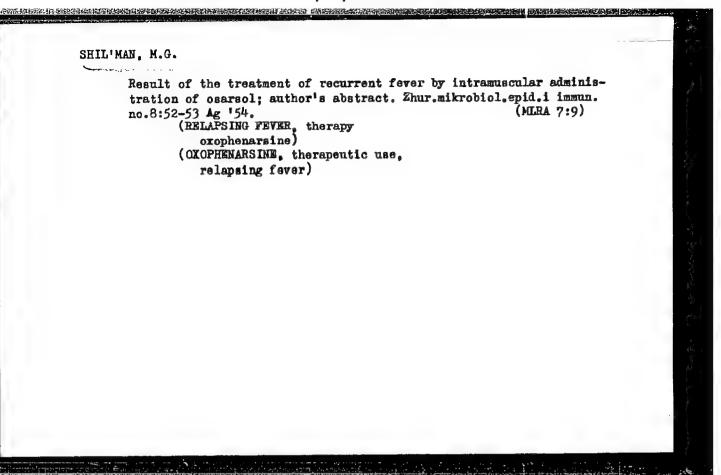
(Stability of ships)
(Damage control (Warships))

SHARKO, A.P.; SHIL'MAN, D.M.

Prospects for the development of the sugar industry in the Khmel'nitskiy province. Sakh.prom. 33 no.2:13-16 F '59.

(MIRA 12:3)

1.Khmel'nitskiy sakhsveklotrest.
(Khmel'nitskiy Province--Sugar industry)



SHIL'MAN, N. Ya., kapitan meditsinskoy sluzhby

Studying conditions governing the preservation of vitamin C in sauerkraut. Voen.-med.zhur. no.4:90 Ap '60. (MIRA 14:1) (ASCORBIC ACID) (SAUERKRAUT)

# CHUBINETS, N.F.; SHILIMAN, R.M.

Laboratory diagnosis of schizophrenia. Lab.delo 3 no.5:21-22 S-0 '57. (MRA 11:2)

l. Iz kafedry psikhiatrii (zav. - prof. G.Yu.Malis) i kafedry mikrobiologii (zav. - dots. I.I.Rybas) Chernovitskogo meditsinskogo instituta i Chernovitskoy psikhonevrologicheskoy bol'nitsy (glavnyy vrach N.F.Chubinets) (SCHIZOPHRENIA)

AVERBUKH, M.L.; RYBAS, I.I.; TROYAN, G.A.; SHIL'MAN, R.M.

Diagnosis of schizophrenia by means of the complement fixation reaction. Lab.delo 6 no.3:6-10 My-Je 160. (MIRA 13:7)

1. Kafedra psikhatrii (zav. - prof. G. Yu. Malis) i kafedra mikrobiologii (zav. - dotsent I.I. Rybas) Chernovitskogo medi-tsinskogo instituta (dir. - dotsent M.M. Kovalev) i Chernovitskoy psikhonevrologicheskoy bol'nitsy (glavnyy vrach W.F. Chubinets).
(SCHIZOPHRENIA)

(COMPLEMENT FIXATION)

SHIL'MAN, S.V.

Determining the optimum characteristics of control systems with modulation. Izv.vys. ucheb.zav.; radiofiz. 6 no.6:1227-1239
'63. (MIRA 17:4)

1. Nauchno-issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom universitete.

L 6308-66 EWP(k)/EWP(h)/EWI(d)/EWP(v)/EWP(1)

ACC NR: AP5026718

SOURCE CODE: UR/0141/65/008/005/1016/1029

AUTHOR: Shil'man, S. V.

ORG: Scientific Research Institute of Applied Mathematics and Cybernetics, Gorkiy State University (Nauchno-issledovatel'skiy institut prikladnoy matematiki i kibernetiki pri Gor'kovskom gosuniversitete)

TITLE: Absolute stability of nonlinear controlled systems with periodically changing parameters

SOURCE: IVUZ. Radiofizika, v. 8, no. 5, 1965, 1016-1029

TOPIC TAGS: nonlinear control system, control system stability

ABSTRACT: Recently, the method of V. M. Popov, proposed for studying the absolute stability of a certain type of nonlinear control systems, has been successfully used for systems of other categories as well. In the present paper, Popov's method is used for studying nonlinear control systems with periodically changing parameters. The frequency criteria of absolute stability of these systems are established, and three cases are considered: (A) principal case: the linear part of the system is

Card 1/2

UDC: 62-501.32

11101 1877

30